Ninth Conference on Proteolysis and Intracellular Protein Turnover October 18 - 23, 1992; Williamsburg Virginia USA

Molecular Aspects of Proteolytic Enzymes and Inhibitors

Organizers:

JS Bond, Virginia Tech, USA

AJ Barrett, Strangeways, UK

Topics will include:

ubiquitin-dependent proteinases

ATP-dependent proteases

multicatalytic endopeptidases / proteasomes

lysosomal cathepsins

membrane-associated enzymes matrix metalloendopeptidases signal and processing proteases

cytotoxic proteases

Inhibitors

Cellular Aspects of Proteolytic Systems and Mechanisms of Intracellular Proteolysis

Organizers:

M Rechsteiner, Univ. Utah, USA

A Hershko, Technion Institute of Technology, Israel

Topics will include:

ubiquitin- pathways for degradation

lysosomal pathways cytosolic mechanisms

endoplasmic reticulum pathways

processing pathways

Protein Turnover in Tissues/ Organisms, growth and development

Organizers:

Darrel Goll, Univ Arizona, USA

John Ballard, Univ Adelaide, Australia

Topics will include:

muscle protein turnover

hormonal control

balance between synthesis and degradation effects of diabetes and muscular dystrophy

Disease/Pathological Aspects of Proteolysis/Protein Turnover

Organizers:

Bonnie Sloane, Wayne State Univ, USA

Hans Fritz, Univ Munich, Germany

Nobo Katunuma, Univ Tokushima, Japan

Topics will include:

metastases/Cancer Alzheimers disease sepsis / stroke inflammation AIDS inhibition

Proposed Speakers/ panel members: (Session organizers will present overviews; and ICOP committee members will organize special sessions)

Camilla Abraham

Robert Beynon

Francesco Blasi Tom Blundell Wolfram Bode

Frank Booth

Ralph Bradshaw Aaron Ciechanover

Dennis Cunningham Keld Dano

Yves DeClerck J Fred Dice

William Duckworth

Ben Dunn

Julie Fagen

Joseph Fischer

Robert Gelfand Alfred Goldberg

Michael Goodman Michael Gottesman Morey Hagmond

P. Hasselgreen Joel Huff

Marianne Jochum George Kasperek

John Kay Hiroshi Kido

Richard Klausner/Bonifacino

Eiki Kominami **Bruce Korant**

Mark Lively Lynn Matrisian

Raymond MacDonald

Gillian Murphy Michael Rennie

Michael Niedbala

Jennifer Rivett

Noel Roberts Harvey Rubin

Guy Salvesen Allen Samarel

Per Seglen Ora Smith Don Steiner

Bill Stetler-Stevenson Frank Tomas

Jim Travis Jeremy Thorner Alex Varshavsky

Klaus von der Heim Lloyd Waxman

Zena Werb Dieter Wolf

amyloid protein/ Alzheimers

protein turnover/ Muscular Dystrophy

plasminogen activator/ cancer aspartic protease/ structure other proteases/ structure

muscle turnover

growth factor processing

ubiquitin pathway protease nexins

plasminogen activator receptor

TIMP, tumor invasion lysosomal pathway

insulin degradation/ insulinase

aspartic proteases

cellular proteases and turnover

protein turnover

protein turnover/ diabetes

ATP proteolysis muscle turnover cathepsin L/cancer protein turnover protein turnover inhibitors/ HIV protease inflammation/ sepsis

protein turnover/ exercise aspartic proteases serine proteases/ HIV

degradation in endoplasmic reticulum

processing of proteins

viral proteases

processing proteases metalloproteinases/ cancer kallikrein gene family

TIMP/ collagenases/ cancer

muscle turnover inflammation

multicatalytic endopeptidase

inhibitors/ HIV

antiproteases/ therapeutics matrix, metallo, elastase inhibitors

muscle protein turnover lysosomal pathway

protein turnover/ diabetes precursor processing collagenases/TIMP/ cancer protein turnover/ growth factors neutrophil proteases/ emphysema

processing pathway ubiquitin pathway HIV proteases/ inhibitors

endothelin processing proteases

matrix metalloproteases and tissue injury

yeast pathways